

From: [Metziner, Jim](#)
To: [Kevin Davis](#); [Bob Morrow](#); [David Cron](#); [Jim Valentine](#)
Cc: [Zolotoochin, Val](#); [Potter, Dolly](#)
Subject: Re: Meeting July 18th SLC
Date: Friday, July 19, 2002 12:53:32 PM

Gentlemen

Thanks, for the information. The baseline is progressing well and will be interesting to see the final number with the adjustment of tempering air.

The next review in mid Aug. of the numbers for the new stoker system with the furnace modifications to reduce NOx, (staged combustion air, water injection, flue gas recirculation? and natural gas re-burn?)

Dolly, checked the permit files and the Calciners 1&2 (common stack) was originally permitted at 300 pph NOX, 21 pph CO, and 35.6 pph particulate. They were permitted to operate at a maximum of 234 tph ore, with "normal" operation at 199 tph. Coal consumption of 21.4 tph max, and 18.2 normal. 10,000 btu/lb, with max of 5% ash and 1.5% sulfur. Heat input of max 428 MM Btu/hr and 364 normal.

Using the max heat input gives a NOx limit of 0.7 #/MM Btu, and a CO of .049 #/ MM Btu.

Also, there was one stack test for NOX done on CA-1&2 while fueled with coal. That testing was conducted in March, 1983. The results were 161 pph NOX at a production rate of 191 tph. At 1.4 MMBtu/ton of ore (avg. noted in are report I gave you), the results were 0.6 lb NOX/MMBtu.

.

Jim Metziner

Plant Engineering Supt.

Solvay Minerals, Inc.

P.O. Box 1167

Green River, WY 82935

jim.metziner@solvay.com

SOLVAY2016_1.3_000167